

WHAT IS CLAIMED IS:

1. A power adapter comprising:
 - a first housing;
 - a second housing remote from the first housing;
 - an AC input receptacle provided in the first housing;
 - 5 a voltage converting circuit enclosed within the first housing and electrically connected to the AC input receptacle, the voltage converting circuit converting input AC power into a DC voltage; and
 - a voltage regulating circuit electrically connectable to the voltage converting circuit and enclosed within the second housing, the voltage regulating circuit
 - 10 maintaining and outputting the DC voltage from the voltage converting circuit.
2. The power adapter according to claim 1, further comprising an electrical device connector electrically connectable to the voltage regulating circuit.
3. The power adapter according to claim 2, further comprising:
 - a means for connecting the voltage converting circuit to the voltage regulating circuit; and
 - a means for connecting the voltage regulating circuit to the electrical device
 - 5 connector.
4. The power adapter according to claim 3, wherein:
 - the means for connecting the voltage converting circuit to the voltage regulating circuit comprises a first cable; and
 - the means for connecting the voltage regulating circuit to the electrical device connector comprises a second cable.

5. The power adapter according to claim 4, wherein the first cable runs from the first housing to the second housing and the second cable runs from the second housing to the electrical device connector.

6. The multiple output power adapter according to claim 1, wherein the voltage converting circuit includes a rectifier.

7. The multiple output power adapter according to claim 6, wherein the rectifier is a full-wave rectifier.

8. The multiple output power adapter according to claim 7, wherein the full-wave rectifier is a bridge rectifier.

9. The power adapter according to claim 1, wherein the voltage converting circuit includes an EMI filter and the voltage regulating circuit includes a transformer.